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Course Profile for 2021/2

Course:	ENERGY ENGINEERING (BENG) (U1H800301)
School:	ENGINEERING
Director:	DR ELENi KAPLANI

Year 1U

Core Modules (120 credits)

Module	Description	Assessment	Credits	Period	Sub-slot
ENV-4015Y	MATHEMATICS FOR SCIENTISTS A	WW	20	YEAR	
ENG-4007Y	ENGINEERING DESIGN AND PRACTICE	CA	40	YEAR	
ENG-4008Y	ENGINEERING PRINCIPLES AND ANALYSIS	CW	60	YEAR	

Year 2U

Core Modules (80 credits)

Module	Description	Assessment	Credits	Period	Sub-slot
ENG-5003Y	ENGINEERING DESIGN PROJECT	WW	20	YEAR	
ENG-5002B	RENEWABLE ENERGY	CW	20	SEM2	
CMP-5027A	ANALOGUE AND DIGITAL ELECTRONICS	CW	20	SEM1	
MTHB5010A	MATHEMATICS FOR SCIENTISTS B	WW	20	SEM1	

Options Range A

Students will select 40 credits from the following modules:

Module	Description	Assessment	Credits	Period	Sub-slot
CMP-5020B	PROGRAMMING FOR NON-SPECIALISTS	WW	20	SEM2	
ENG-5004B	DYNAMICS AND VIBRATION	WW	20	SEM2	
ENG-5005Y	ELECTRICAL POWER ENGINEERING	WW	20	YEAR	
ENG-5006Y	MECHANICAL CONCEPTS AND APPLICATIONS	WW	20	YEAR	

Year 3U

Core Modules (80 credits)

Module	Description	Assessment	Credits	Period	Sub-slot
ENG-6002Y	NUCLEAR AND SOLAR ENERGY	CW	20	YEAR	
ENG-6001B	ELECTRICITY GENERATION AND DISTRIBUTION	CW	20	SEM2	
ENG-6008Y	ENGINEERING MAJOR PROJECT	CP	40	YEAR	

Compulsory Modules (20 credits)

Module	Description	Assessment	Credits	Period	Sub-slot
ENV-6009A	FOSSIL FUELS	EX	20	SEM1	

Options Range A

Students will select 20 credits from the following modules:

Module	Description	Assessment	Credits	Period	Sub-slot
ENG-6006Y	STRESS ANALYSIS AND DESIGN	WW	20	YEAR	
ENG-6007A	CONTROL SYSTEMS	WW	20	SEM1	
ENV-6004A	MODELLING ENVIRONMENTAL PROCESSES	CP	20	SEM1	
ENV-6008A	THE CARBON CYCLE AND CLIMATE CHANGE	WW	20	SEM1	

Module	Description	Assessment	Credits	Period	Sub-slot
NBS-5114A	BUSINESS FINANCE	EX	20	SEM1	
NBS-5118B	OPERATIONS STRATEGY AND MANAGEMENT	CW	20	SEM2	
NBS-5125A	BUSINESS AND COMPANY LAW	WW	20	SEM1	

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